(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 26 May 2005 (26.05.2005)

PCT

(10) International Publication Number WO 2005/046408 A1

(51) International Patent Classification⁷: A47J 31/00

(21) International Application Number:

PCT/US2004/037106

(22) International Filing Date:

5 November 2004 (05.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/518,039

7 November 2003 (07.11.2003) US

- (71) Applicant (for all designated States except US): BUNN-O-MATIC CORPORATION [US/US]; 1400 Stevenson Drive, Springfield, IL 62703 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): BUNN, Arthur [US/US]; 1601 Willemoore, Springfield, IL 62704 (US).
- (74) Agent: PETERS, Grant; Barnes & Thornburg, LLP, P.O. Box 2786, Chicago, IL 60690-2786 (US).

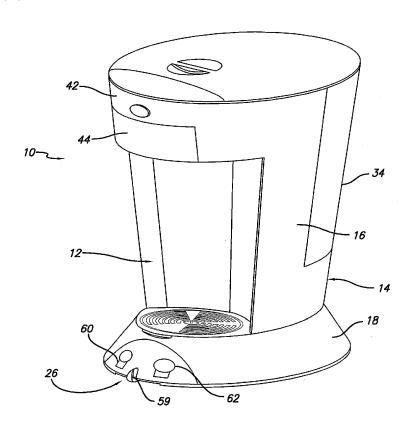
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: ADJUSTABLE VOLUME BREWER



decrease the volume of water.

(57) Abstract: Beverage making apparatus which controllably produces a beverage from a brewing substance by combining heated water with a brewing substance. The beverage making apparatus includes a volume adjustment assembly (22) which can be controlled by a user to increase or decrease the volume of water which is controllably dispensed to the beverage making substance. The apparatus and method for using the apparatus includes controllably dispensing water from a water source such as a water reservoir (34) or pressurized water line to a controllable heated water reservoir (53). The heated water reservoir communicates with the spray head (40). A flow meter (46) is provided and communicates with a water dispensing line (38) between the water source and the heated water reservoir for monitoring the volume of water flowing through the dispensing line. A controller (28) associated with the beverage making apparatus is coupled to the devices and controllably monitors water flowing through the dispensing line by use of the flow meter. During operation the volume adjustment assembly can be controlled to increase the volume of water which is permitted to flow from the water source to the spray head and may be controlled to

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.